

# KayakDD-2™ Quick Start Guide

## UNPACKING

Before you begin, unpack and identify the following items:

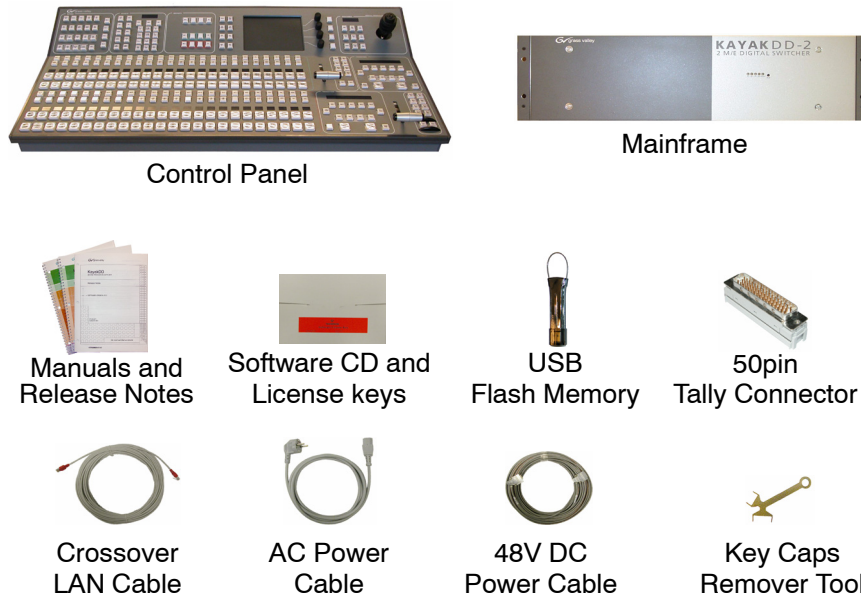


Fig. 1: Delivered parts

Note that most options are software license keys that are already loaded in the system. Refer to the Release Notes for the latest information about your system's capabilities.

## CONNECT FRAME AND CONTROL PANEL

- Crossover LAN cable.
  - 48 Volt DC Power cable.
- Refer to the Planning and Installation manual how to connect a KayakDD switcher with a networked PC.

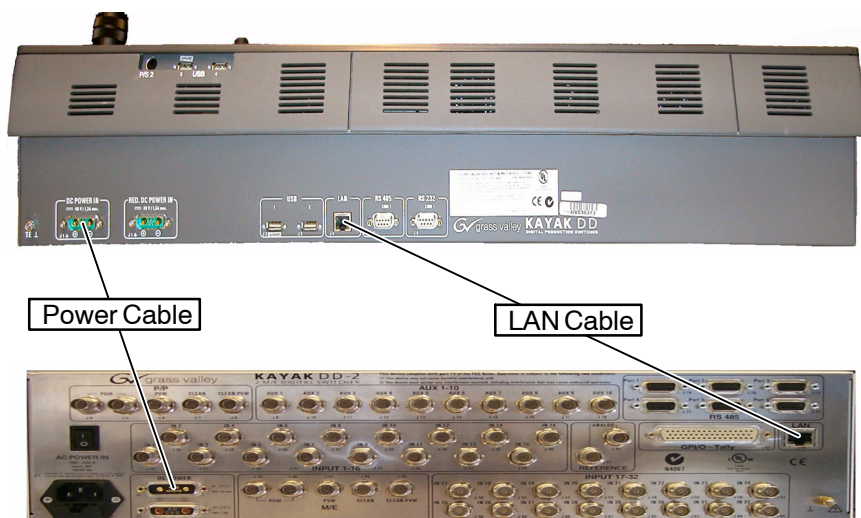


Fig. 2: Cabling between Frame and Control Panel

## CONNECT INPUTS AND OUTPUTS

All Serial Digital (SDI) 4:3 or 16:9 inputs and outputs.

- Connect inputs in any order (they can be mapped later, see User Manual).
- Connect preview and program outputs to monitors.
- Connect AUX outputs as needed.
- Connect analog genlock reference (optional) Terminate as needed.

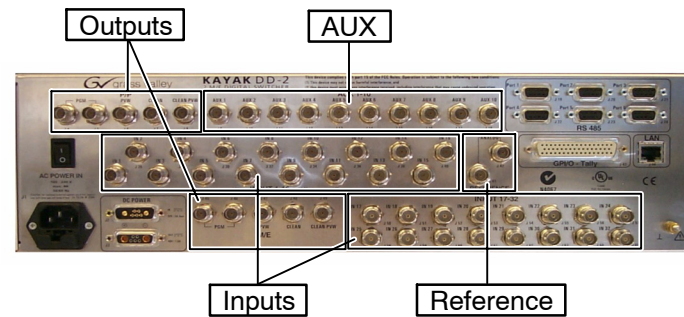


Fig. 3: Rear of the Frame

## CONNECT AC POWER CORD AND SWITCH ON

- Power Supply is wide-range and frequency auto-sensing.
- Wait approx. 60 seconds until all blue lights on the frame front side of the frame are on and the control panel display is on.

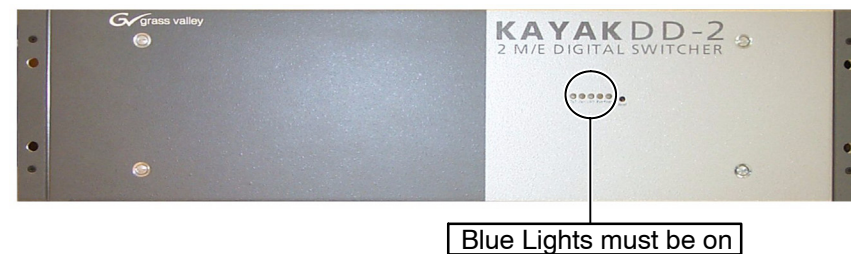


Fig. 4: Front of the frame

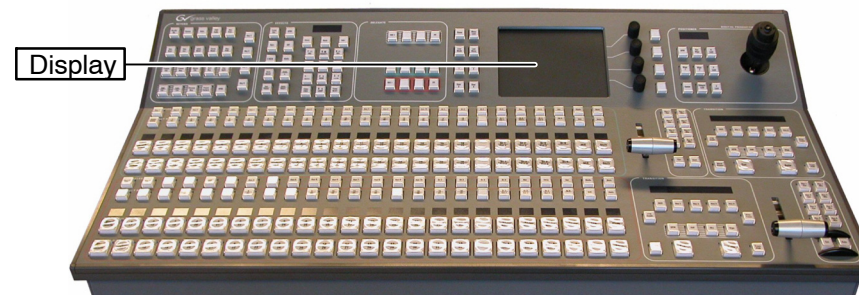


Fig. 5: KayakDD-2 Control Panel

## CONTROL PANEL



Fig. 6: Panel Display with Home Menu

- |            |  |
|------------|--|
| HOME       | Jumps to the HOME MENU.  |
| MENU LOCK  | Activate to disable auto menu follow.  |
| LIVE MODE  | Makes the WIPE MENU and KEYSER MENU buttons quicker to use for On-Air applications by displaying fewer selections.   |
| LAST MENU  | Jumps back to the last selected menu.  |
| USER 1...4 | User definable preferred menus. Select a menu, hold down the USER X button for two seconds. A short flash of the button confirms that the menu is learned. To recall the menu, just press the USER X button again. |

## SOURCES, DESTINATION AND SHIFT

**SOURCE SELECTION.** On any Source Selection Row, pressing a Source Selector button will change that row output to the newly selected source. Any Source Selection row that contributes to the On-Air picture will change button color to RED (or increase brightness - depending on Personality setting).

- By pressing and holding the SHIFT BUTTON you get access to the shifted (2nd) sources on the source selector row.
- When a shifted source is selected the SHIFT BUTTON on that row stays illuminated.
- If the source is a PGM or PST source and is transitioned the SHIFT BUTTON follows the flip-flop.
- To select a non-shifted source press only the source selector button required. This cancels the shift function for that row.

**SHIFT BUTTON on DESTINATION SELECTORS.** In the Delegate Row of the switcher, the top row is a destination row.

- Selecting a Shifted Destination will keep the SHIFT BUTTON illuminated until a non-shifted destination is selected.

Customized source legends can be created using the template on the software CD Rom ( Path: \Kayak\KayakManuals ).

The template can be printed on transparent foil in A4 or letter size. Please refer to the Planning & Installation Manual how to remove button caps with the supplied tool, insert the legend and re-seat the cap.

## GENLOCK SETUP (Menu Install - E-Box - Genlock)

By default your KayakDD is set for analog (Blackburst) Reference - on the REFERENCE loop-through connectors and 'AutoDetect' for 625Lines/50Hz and 525Lines/60Hz.

- First make sure that an analog reference is connected to the reference input of the frame or select the input for Digital reference.
- To adjust genlock settings, bring up the install menu by pressing the "Install" button in the main menu.
- Make sure that the right video standard and genlock input type (analog or digital) is selected.
- If not, change them by pressing the "Video Std." / "GL Inp. Type" buttons.
- If the input type is digital, choose the desired input source using the "GL Dig. Inp. Src." button.
- Check that the displayed "Ext. Ref." standard matches the "Video Std." setting.
- The Genlock Phase shifts the switcher timing with respect to the reference signal.
- Whether the source signals are within the auto-timing window can be checked by selecting them on AUX bus 1.
- To adjust the genlock phase, turn the digipot to the left or to the right.
- The source is within the auto-timing window when the marker is displayed in the middle of the timing bar on a green background.

## KEYING TIPS

KEYING a Character Generator.

- Use ADD KEY if you use a character generator that produces ANTI-ALIASED lettering or an external Digital Effects device that produces soft borders on its video output.
- In the Keyer Mode Menu check that the key signal is being used correctly by going to the setup menu.
- Switch to Clip High/Low and set Clip High to 100% and Clip Low to 0%. If you prefer Clip and Gain control set the value of Clip to 50% and Gain to 100%.
- If you have problems with a keyer setup, press the KEY PVW button in the Keyer Area. It will automatically switch your Preview Monitor to show only the currently delegated keyer over the background.
- Pressing it again will display the monochrome key signal (Show Key).
- For a CG this should match exactly the key signal from the unit.
- Pressing KEY PVW a third time will restore the Preview Monitor to Look-ahead Preview mode.
- Use LUM key for a caption camera.
- Use SELF key for a caption camera and other selfkey sources, like Chromakey cameras.

## CHROMAKEY AUTOSETUP

- To perform a chroma key using auto setup, first select one of the four keyers by using the key delegation buttons or the keyer menu.
- Push the chroma key button at the keyer subpanel.
- Make sure "FGD Fade" is switched off.
- Chose a chroma key source on the key bus corresponding to the selected keyer.
- Use the PGM bus to select the desired background signal.
- Press the cursor button at the keyer subpanel to enter the automatic cursor assisted key adjustment.

- After pressing the cursor button the preview output will display the chroma key source with a superimposed crosshair cursor.
- with the Positioner move the cursor to the colour to key on.
- Press "Auto" or the button on the Positioner to start the auto-adjustment.

## MASKING TIPS

- Press INHIB (inhibit) or FORCE MASK in the Keyer Area to go to the mask menu.
- The switcher will highlight FORCE or INHIBIT Mask control databox for you.
- Choose the MASK SOURCE.
- For WIPES choose the pattern. (Don't forget each keyer has a wipe generator and a box mask).
- Set the SIZE of a Wipe, and SOFTNESS. The Positioner will only work if you switch it on in the wipe selection menu.
- For a BOX MASK set each edge position and softness.
- If you need to see through the mask use OPACITY (100% = full masking).

## TRANSITION MODES

You can select any combination of BGND, KEY1, KEY2, KEY3, KEY4 and PRIOR TRANS for any transition. Just press the buttons simultaneously.

- To change only Background from PGM to PST use BGND transition.
- To change whether a keyer is ON or OFF select the desired KEY n.
- Any combination you can press is good - just check on Preview to see your result.
- Move the Lever arm in the direction of the blue arrow, or press CUT or AUTO to make your transition.
- Keyers also have CUT and MIX buttons that can be used even if the lever arm is doing a different transition. This operates the keyers like being DSKs.

To change AUTO transition duration.

- Press and Hold the TRANS DUR Button in the EFFECTS subpanel.
- The AUTO, KEY1 MIX, KEY2 MIX, KEY3 MIX, KEY4 MIX and the FTB AUTO buttons will blink.
- Press the AUTO button for which you want to alter the transition duration.

Use the Effects Keypad to type the number of frames you want it to be and then ENTER.

## E-MEM™ TIPS

- E-Mem operates in "Normal Mode" and "Bank" Mode. Bank Mode is more similar to traditional E-Mem operation than Normal Mode. Modes are switched with the BANK button. If it is lit Bank Mode is active. The display also shows a "B" in front of the register number.
- Store a snapshot in Normal Mode: Press STORE, type in register number (two digits), press ENTER. Switcher confirms with "Stored".
- Recall a snapshot in Normal Mode: Type in register number (two digits), press CUT for recall, or press AUTO for Effects Dissolve.
- Store a snapshot in Bank Mode: Press STORE, press register number (0-9), press ENTER. Switcher confirms with "Stored".
- Recall a snapshot in Bank Mode: Press register number (0-9).
- Changing Bank in Bank Mode: hold down BANK and press Bank number (0-9) KayakDD E-Mem can also do timelines. Please see the User Manual how to work with timelines.

## EXPLORE

If you wish to explore

- Genlock or uncal indications
- Reset to factory settings
- Video Input mapping
- Tally Assignment
- DVE capability
- RAMRecorder capability
- Installed options

Look in the Menu

Install - E-Box - Genlock  
Home - Recall Preset - Factory Preset  
Config - Panel Assign  
Install - E-Box - GPO  
DPM  
RAMRecorder  
Install - E-Box - Licenses

## TECHNICAL SUPPORT NUMBERS

For other issues, please refer to the KayakDD Installation or User Manuals. Otherwise contact your Thomson Customer Support.

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### Website

www.thomsongrassvalley.com

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For support and software download navigate to **Support/Training** area.

